Author Index

Absolom, D.R. 127 Ali, S.I. 183 Aserin, A. 83 Birkett, R.J. 259 Birzer, J.O. 209 Brouwer, W.M. 195 Clark, A. 259 Cohen, R. 43 Csempesz, F. 101 Dejardin, Ph. 239 Dinesh 119 Eley, D.D. 173 Exerowa, D. 43 Friberg, S.E. 325 Galán Vallejo, M. 59 Garti, N. 83 Harrop, R. 249 Hayashi, M. 353 Hey, M.J. 173 Hughes, R.D. 283 Joos, P. 139 Kabel'nov, A.S. 19 Kamo, O. 337 Khan, A.A. 33 Kovács, P. 101 Kunieda, H. 225 Kuys, K.J. 1 Lee, M.A. 173 Liang, Y.-C. 325 Lopéz Torres, M.A. 59 Maeda, Y. 353 Mahajan, O.P. 283 Maitra, A. 119 Marković, I. 69 Marlow, B.J. 283 Mates, T.E. 299 Matsushita, K. 337

Meeten, G.H. 259 Mouat, M.C.H. 51 Moy, E. 315 M'Pandou, A. 159 Neumann, A.W. 127, 315 Nikolova, A. 43 Novotny, V. 361 Okabayashi, H. 337 Ottewill, R.H. 69 Parra, J.L. 225 Pass, G. 249 Pertzov, A.V. 19 Ring, T.A. 299 Robb, I.D. 249 Roberts, N.K. 1 Rohrsetzer, S. 101 Romano-Pariente, A. 83 Rotenberg, Y. 127 Schaaf, P. 239 Schulze, H.J. 209 Shchukin, E.D. 19 Shida, N. 225 Siffert, B. 159 Singh, R.P. 33 Solans, C. 225 Spelt, J.K. 127 Sresty, G.C. 283 Taga, K. 337 Tsukamoto, K. 337 Van Hunsel, J. 139 Vargha-Butler, E.I. 315 Varshney, M. 119 Vincent, B. 269 Williams, P.A. 249 Wright, J.A. 249 Yoshikawa, K. 337 Zollars, R.L. 183 Zsom, R.L.J. 195

Subject Index

Adsorption,

— thermodynamics of carbofuran of Sn(IV) arsenosilicate in H⁺, Na⁺ and Ca²⁺ forms (Kahn, Singh) 33

An indirect measurement of negative — (Mouat) 51

Coupling between interfacial protein and bulk diffusion. A numerical study (Schaaf, Dejardin) 239

Exchange and competitive — of polyelectrolytes on barium sulphate (Wright et al.)
249

In situ investigation of the — of styrene phosphonic acid on cassiterite by FTIR-ATR spectroscopy (Kuys, Roberts) 1

Interfacial behaviour of binary polymer mixtures. II. Competitive polymer — and its effect on the stability of colloidal dispersions (Csempesz et al.) 151

Newton black films stabilized with insoluble monolayers obtained by — from the gas phase (Exerowa et al.) 43

Polyethyleneglycol — at the TiO₂-H₂O interface: distortion of ionic structure and shear plane position (M'Pandou, Siffert) 159

Adsorption kinetics.

— at the oil/water interface (Van Hunsel, Joos) 139

Aerosol OT.

Conformation of the polar part in the — inverted micelles. Gadolinium ion-induced spin-lattice relaxation studies (Okabayashi et al.) 337

Revisiting the rotational isomerism of from the selective heteronuclear nuclear Overhauser effect (Maitra et al.) 119

Alcohol solutions,

Steric stability of alkoxy-precipitated TiO₂ in — (Mates, Ring) 299

Anionic surfactants,

Asphaltene,

Rheological studies of — films adsorbed at the oil/water interface (Eley et al.) 173

Asphaltenes,

Colloidal stabilization of clays by — in hydrocarbon media (Marlow et al.) 283

Barium sulphate,

Exchange and competitive adsorption of polyelectrolytes on — (Wright et al.) 249 Carbofuran,

Adsorption thermodynamics of — of SN(IV) arsenosilicate in H⁺, NA⁺ and Ca⁺ forms (Kahn, Singh) 33

Cassiterite.

In situ investigation of the adsorption of styrene phosphonic acid on — by FTIR-ATR spectroscopy (Kuys, Roberts) 1

Cell windows.

The effects of — on the optical reflectance of diffusely-scattering materials (Birkett et al.) 259

Clays

Colloidal stabilization of — by asphaltenes in hydrocarbon media (Marlow et al.) 283

Diacylglycerophosphocholine,

Micelle formation of — in organic solvents. II. Measurements of microenvironmental characteristics by fluorescence quenching (Maeda, Hayashi) 353

Diffusion.

Coupling between interfacial protein adsorption and bulk —. A numerical study (Schaaf, Dejardin) 239

Drop shape analysis,

Sessile-drop contact angle measurements using axisymmetric — (Spelt et al.) 127

Emulsion stability,

Ostwald ripening in two-component disperse phase systems: Application to — (Kabel'nov et al.) 19

Fluorescence quenching.

Micelle formation of diacylglycerophosphocholine in organic solvents. II. Measurements of microenvironmental characteristics by — (Maeda, Hayashi) 353

FTIR-ATR,

In situ investigation of the adsorption of styrene phosphonic acid on cassiterite by — spectroscopy (Kuys, Roberts) 1

Gadolinium.

Conformation of the polar part in the AOT inverted micelles. — ion-induced spin-lattice relaxation studies (Okabayashi et al.)

Gel-emulsions.

The formation of — in a water/nonionic surfactant/oil system (Kunieda et al.) 225

Interfacial behaviour,

 of binary polymer mixtures. II. Competitive polymer adsorption and its effect on the stability of colloidal dispersions (Csempesz et al.) 101

Langmuir-Blodgett layers,

Stability of thin liquid films on — on silica surfaces (Schulze, Birzer) 209

Micelle formation,

 of diacylglycerophosphocholine in organic solvents. II. Measurements of microenvironmental characteristics by fluorescence quenching (Maeda, Hayashi) 353

Negative adsorption,

An indirect measurement of — (Mouat) 51

Newton black films.

 stabilized with insoluble monolayers obtained by adsorption from the gas phase (Exerowa et al.) 43

Non-aqueous colloids,

Applications of - (Novotny) 361

Non-aqueous dispersions,

Structural and dynamic features of concentrated — (Marković, Ottewill) 69 The stability of — of weakly interacting particles (Vincent) 269

Non-aqueous microemulsions,

Critical phenomena in — (Friberg, Liang) 325

Non-polar liquid systems,

Sedimentation behaviour of low surface energy powders in different — (Vargha-Butler et al.) 315

Nuclear Overhauser effect,

Revisiting the rotational isomerism of Aerosol OT from the selective heteronuclear — (Maitra et al.) 119

Oil/water interface,

Adsorption kinetics at the — (Van Hunsel, Joos) 139

Rheological studies of asphaltene films adsorbed at the — (Eley et al.) 173

Optical reflectance,

The effects of cell windows on the — of diffusely-scattering materials (Birkett et al.) 259

Ostwald ripening,

— in two-component disperse phase systems: Application to emulsion stability

(Kabel'nov et al.) 19

Particle concentration effects,

 on shear coagulation in the presence of repulsive interparticle forces (Zollars, Ali) 183

Polyelectrolytes,

Exchange and competitive adsorption of — on barium sulphate (Wright et al.) 249

Polyethyleneglycol,

 adaorption at the TiO₂-H₂O interface: distortion of ionic structure and shear plane position (M'Pandou, Siffert) 159

Polystyrene.

latex particle surface characteristics
 (Brouwer, Zeom) 195

Protein adsorption,

Coupling between interfacial — and bulk diffusion. A numerical study (Schaaf, Dejardin) 239

Refractive index.

Anionic surfactants-water systems: Specific —, specific volume and viscosity (Galán Vallejo, Lopéz Torres) 59

Rheological studies.

— of asphaltene films adsorbed at the oil/ water interface (Eley et al.) 17l

Rotational isomerism,

Revisiting the — of Aerosol OT from the selective heteronuclear nuclear Overhauser effect (Maitra et al.) 119

Sedimentation behaviour.

of low surface energy powders in different non-polar liquid systems (Vargha-Butler et al.) 315

Sessile-drop contact angle,

- measurements using axisymmetric drop shape analysis (Spelt et al.) 127

Shear coagulation.

Particle concentration effects on — in the presence of repulsive interparticle forces (Zollars, Ali) 183

Shear plane,

Polyethyleneglycol adsorption at the ${\rm TiO_2-H_2O}$ interface: distortion of ionic structure and — position (M'Pandou, Siffert) 159

Silica,

Stability of thin liquid films on Langmuir-Blodgett layers on — surfaces (Schulze, Birzer) 209

Sn(IV) arsenosilicate.

Adsorption thermodynamics of carbofuran of — in H⁺, Na⁺ and Ca³⁺ forms (Kahn, Singh) 33 Spin-lattice relaxation,

Conformation of the polar part in the AOT inverted micelles. Gadolinium ion-induced — studies (Okabayashi et al.) 337

Stability,

 of thin liquid films on Langmuir-Blodgett layers on silica surfaces (Schulze, Birzer) 209

Interfacial behaviour of binary polymer mixtures. II. Competitive polymer adsorption and its effect on the — of colloidal dispersions (Csempesz et al.) 101

Steric — of alkoxy-precipitated TiO₂ in alcohol solutions (Mates, Ring) 299

The — of non-aqueous dispersions of weakly interacting particles (Vincent) 269

Stabilization,

Colloidal — of clays by asphaltenes in hydrocarbon media (Marlow et al.) 283 Styrene phosphonic acid.

In situ investigation of the adsorption of

— on cassiterite by FTIR-ATR spectroscopy (Kuys, Roberts) 1

Thermodynamics.

Adsorption — of carbofuran of Sn(IV) arsenosilicate in H⁺, Na⁺ and Ca²⁺ forms (Kahn, Singh) 33

TiO2,

Steric stability of alkoxy-precipitated — in alcohol solutions (Mates, Ring) 299

TiO2-H2O,

Polyethyleneglycol adsorption at the interface: distortion of ionic structure and shear plane position (M'Pandou, Siffert) 159

Viscosity.

Anionic surfactants-water systems: Specific refractive index, specific volume and
— (Galán Vallejo, Lopéz Torres) 59

w/o/w emulsions,

The effect of additives on release from — (Garti et al.) 83

